

White Paper

SAP GTS with SAP ECC vs SAP GTS with SAP S/4HANA The Differences



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Supply Chain Planning and Logistics

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Travel and Transportation

WHITE PAPER BY
AMARENDRA SINGH

BACKGROUND:

SAP Global Trade Services (SAP GTS) is the Global Trade Management Tool available in the SAP suite of applications. SAP GTS software is designed to manage global trade operations, ensuring trade compliance in the supply chain while accelerating the cross-border supply chain. GTS is a comprehensive solution that delivers automation while increasing efficiency in the trade functions along with real-time compliance checks. Its key capabilities include the following areas:

1. Sanctioned Party or Restricted Party List Screening
2. Export Management
3. Import Management
4. Trade Preference
5. Special Customs Procedure

SAP S/4HANA - INTERNATIONAL TRADE

International Trade is a solution available in the SAP S/4HANA suite. It has evolved from the Foreign Trade functionality available in the SAP ECC to a more user-friendly version based on the Fiori Interface. The latest SAP S/4HANA 1909 release extends International Trade to the following three areas:

1. Classification
2. Compliance
3. Intrastat

SAP - ECC

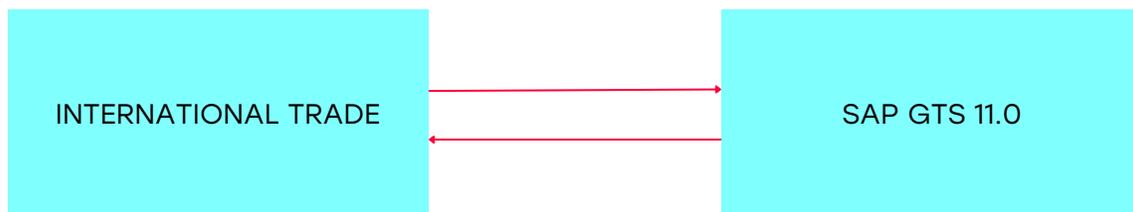
SAP ERP Central Component (SAP ECC) is an on-premise enterprise resource planning software comprising several modules that give organizations control over key business forms. Different modules can communicate with each other to create a fully integrated solution for any client within various industry sectors.

SAP S/4HANA

SAP S/4HANA is an intelligent, integrated ERP system that runs on an in-memory database. It can help businesses with the following:

- Addressing industry-specific requirements with proven best practices for professional services and enabling new business models as the marketplace evolves.
- Revolutionizing business processes with intelligent automation supported by artificial intelligence and robotic process automation.
- Making better decisions faster with embedded analytics, a conversational interface, and digital assistants.
- Meeting your IT landscape goals with hybrid or cloud architectures that share a consistent data model, code line, and user experience.

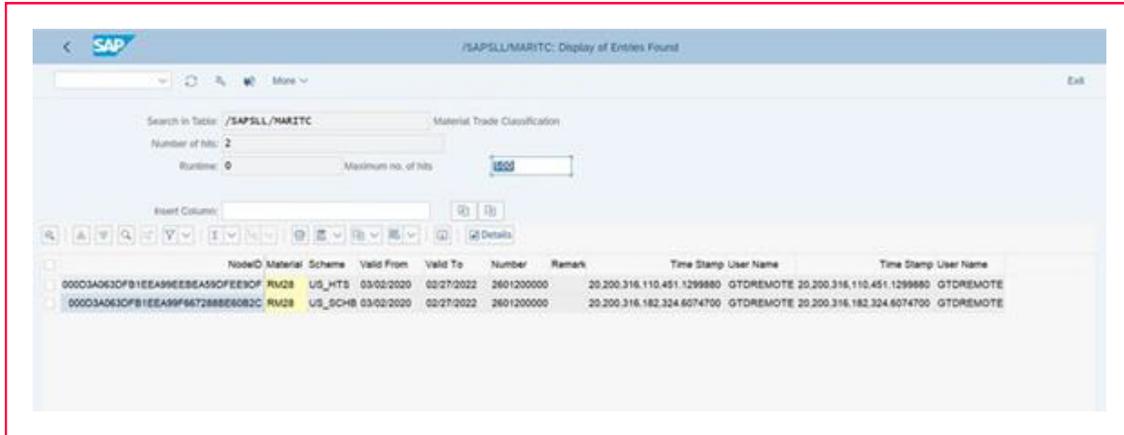
SAP GTS & INTERNATIONAL TRADE IN SAP S/4HANA (Commodity Code Transfer)



The Business Add-In for retransfer of commodity code from SAP GTS (system of truth for trade-specific data) to SAP S/4HANA lets you integrate the flow of information from SAP GTS to SAP S/4 HANA and could be saved in the feeder system and derive their processing.

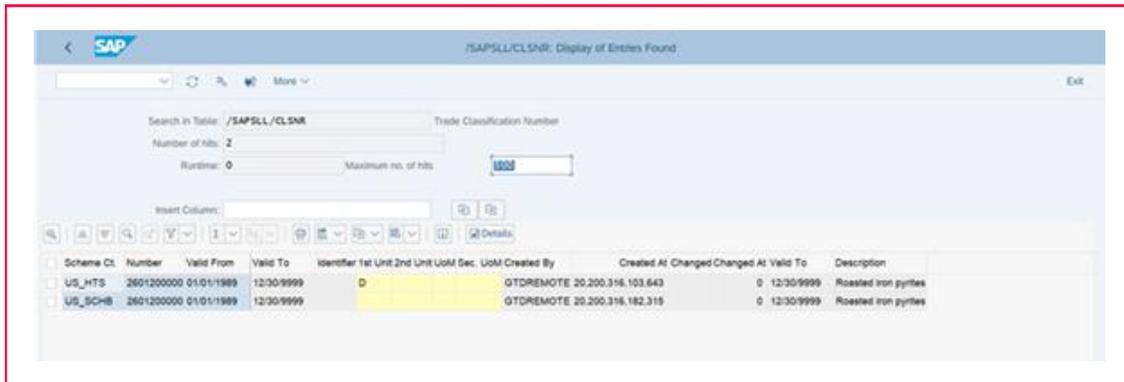
The Commodity Code/Import Code is stored in S/4 under the following tables (as tables MARA and MARC have been deemed obsolete for commodity code) :

1. /SAPSLLMARITC



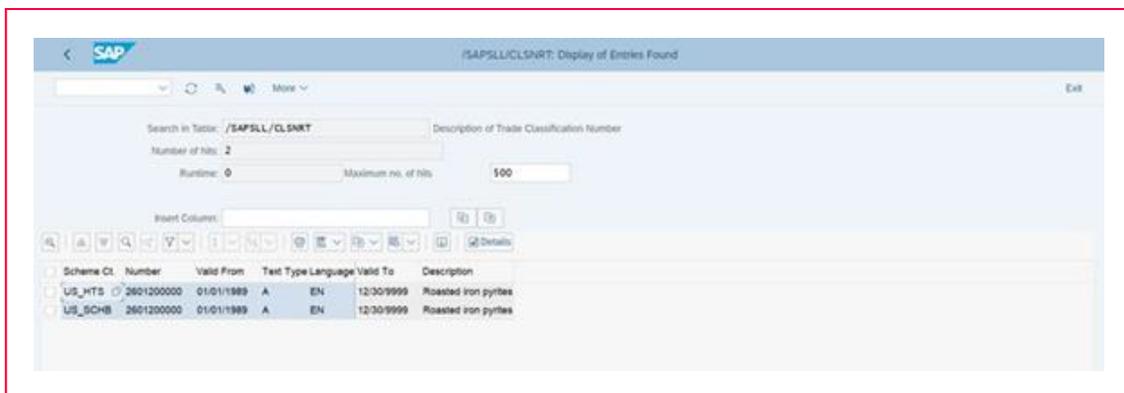
NodeID	Material	Scheme	Valid From	Valid To	Number	Remark	Time Stamp	User Name	Time Stamp	User Name
00003A0630FB1EEA99EE8EA59CFEE90F	RW28	US_HTS	03/02/2020	02/27/2022	2601200000	20.200.316.110.451.1299880	GTDREMOTE	20.200.316.110.451.1299880	GTDREMOTE	
00003A0630FB1EEA99F667288E6082C	RW28	US_SCHB	03/02/2020	02/27/2022	2601200000	20.200.316.182.324.6074700	GTDREMOTE	20.200.316.182.324.6074700	GTDREMOTE	

2. /SAPSLL/CLSNR



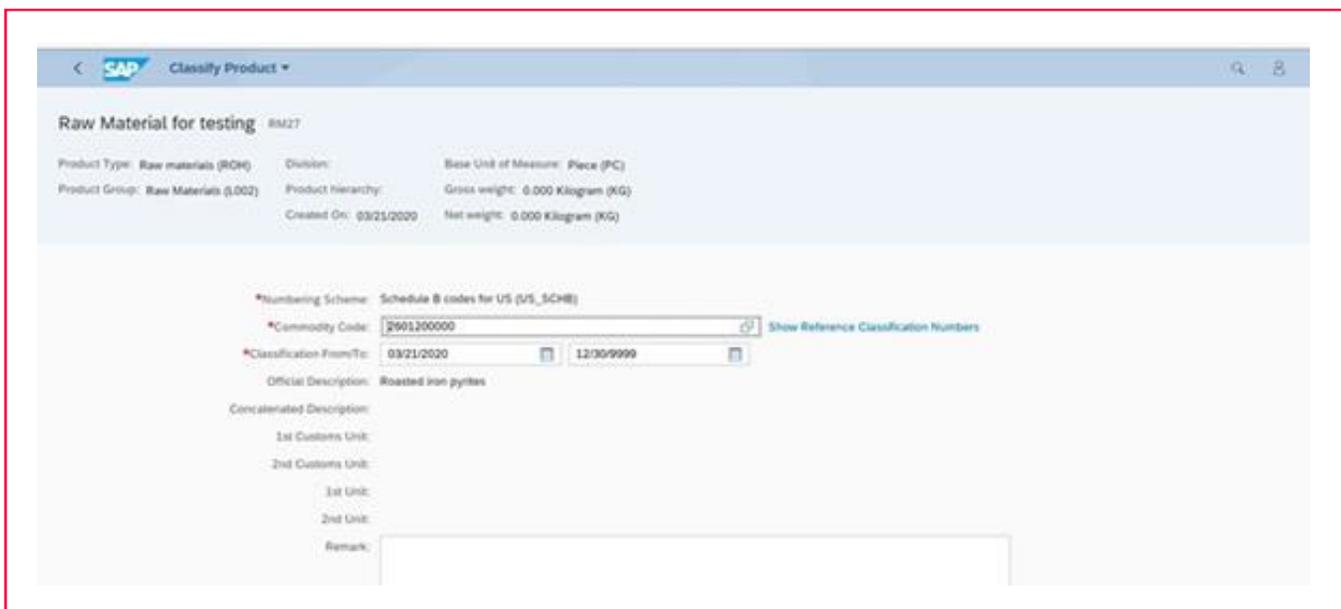
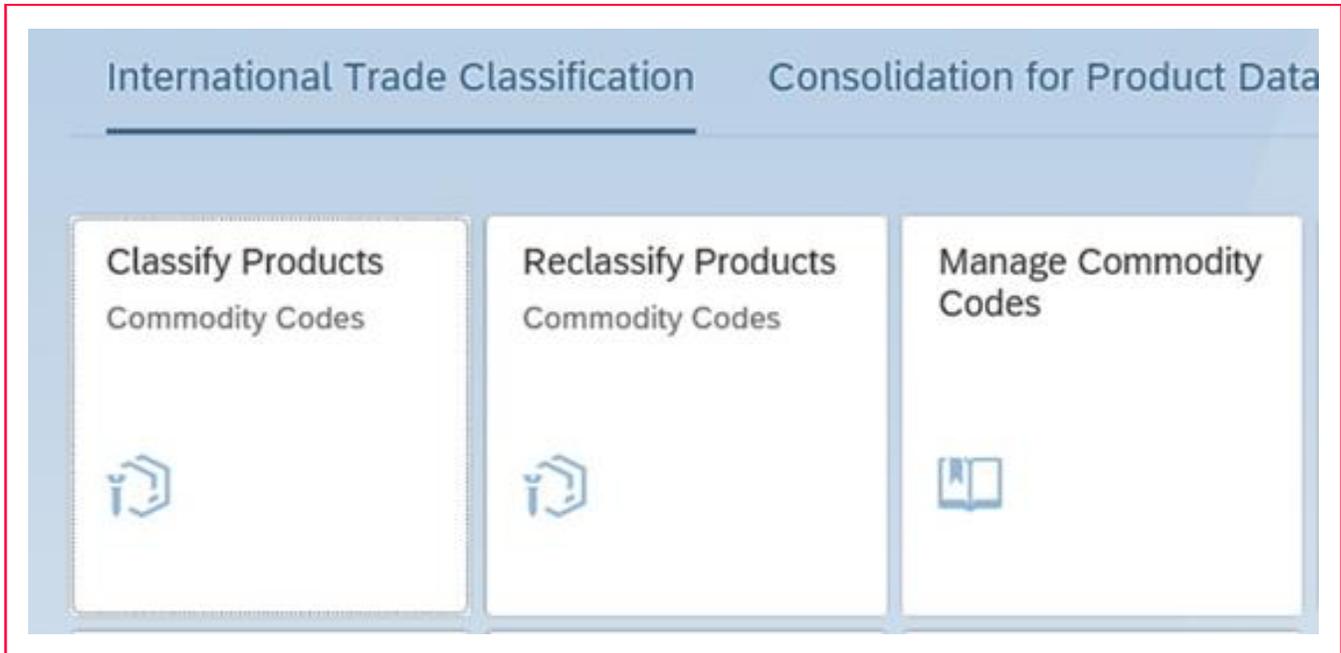
Scheme Cl.	Number	Valid From	Valid To	Identifier 1st Unit	2nd Unit	UoM	Sec. UoM	Created By	Created At	Changed	Changed At	Valid To	Description
US_HTS	2601200000	01/01/1989	12/30/9999	D				GTDREMOTE	20.200.316.103.643	0	12/30/9999	Roasted iron pyrites	
US_SCHB	2601200000	01/01/1989	12/30/9999					GTDREMOTE	20.200.316.182.315	0	12/30/9999	Roasted iron pyrites	

3. /SAPSLL/CLSNRT



Scheme Cl.	Number	Valid From	Text Type	Language	Valid To	Description
US_HTS	2601200000	01/01/1989	A	EN	12/30/9999	Roasted iron pyrites
US_SCHB	2601200000	01/01/1989	A	EN	12/30/9999	Roasted iron pyrites

The information stored in above mentioned tables is also plant specific. The Commodity Code field exists in S/4 but has been made invisible since FIORI Apps are used by Business Users. The information stored in the above tables can be displayed over SAP S/4HANA GUI and on FIORI Apps by invoking the MANAGE/CLASSIFY PRODUCT COMMODITY CODES catalog.



Information about ECCN Codes can be re-transferred in SAP S/4HANA from SAP GTS. Other changes in IT Module in SAP S/4HANA from FT Module in SAP ECC. There are a few other changes that SAP S/4HANA brings to SAP ECC Foreign Trade functionality.

- ECC FT functionality has been reduced, and the related functionality for Letter of Credit/Legal Control/Export Control/Preference Management has been revoked from Material Master Foreign Trade Tab. Several fields are no longer available on MM 01 02 03, and corresponding tables are cleared as a part of the migration.
- The functions of Letter of Credit/Legal Control/Export Control are now in SAP S/4HANA International Trade.
- Tables MARC, T604, and T604T no longer store the classification and commodity codes.
- There are new tables to store the classification information and commodity codes.
- There is no GUI transaction for Commodity Codes or Legal Control Maintenance. It has been moved to Fiori Apps.
- Legal Control/Export Control function differently at the Sales Order/PO/Delivery level with no FT tab in it.

SUBSEQUENT DOCUMENT/PROCESS BLOCK

SAP GTS AND SAP S/4HANA (Subsequent Document/Process Block)

Integration of S/4HANA with SAP GTS provides the business with a few options to block subsequent transactions from being executed in S/4HANA.

- Block the delivery from being created if the Sales Order is under Compliance Hold in SAP GTS.
- Block the processing of Post Goods Issue if the Delivery is under Compliance Hold in SAP GTS

DELIVERY CREATION BLOCK

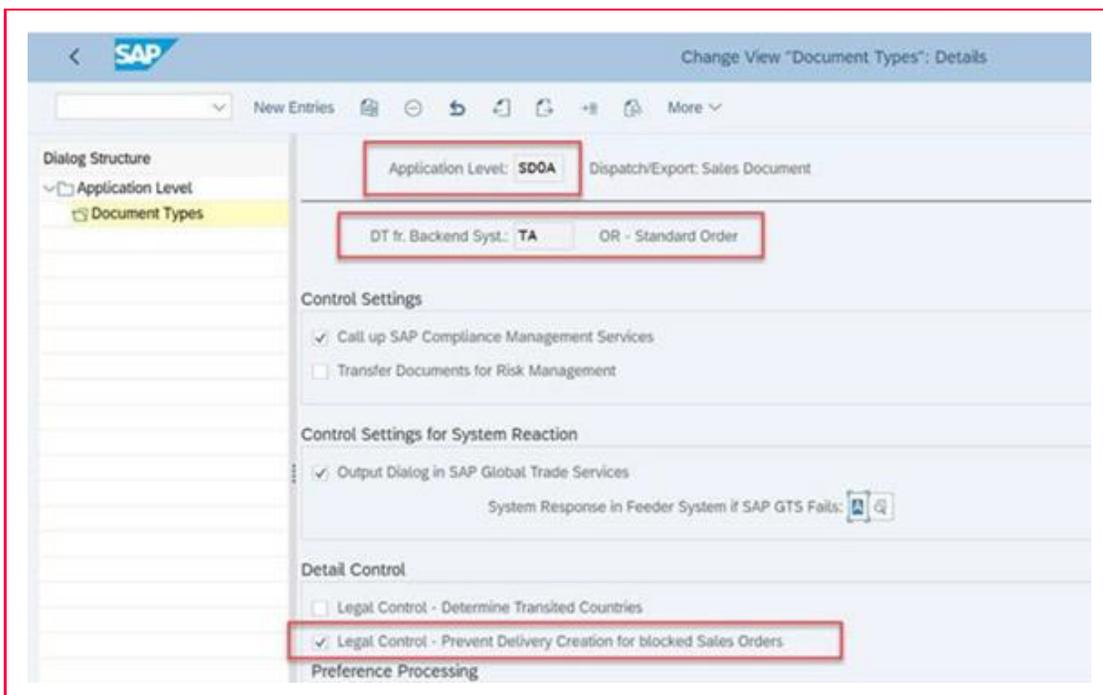
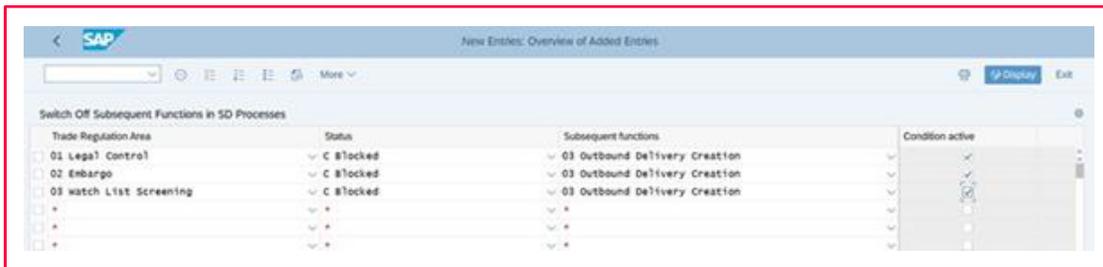
If a Sales Order is placed under Compliance Hold in SAP GTS, Business Users will have two options to block the creation of a Delivery Document in SAP GTS.

- **Use the Copy Control Routine to block the creation of Delivery through Enhancement**

As and when the Sales Order is created/changed and saved in the S/4HANA system, the Sales Order is transferred to GTS for a compliance check. If a Sales Order is blocked in GTS for a compliance check, the subsequent function in S/4HANA, i.e., Delivery, should not be created against that Order. Sales Order can be created and saved in S/4HANA, but no Delivery document should be created in case of a sales order block. If the document is released in GTS after the Compliance check, then the Delivery document can be created in S/4. The functionality will be implemented in the Sales Order to Delivery Copy Control Routine based on the code snippet provided in SAP Note.

- **Use Standard Configuration present in SAP S/ 4 HANA to block the creation of Delivery Document**

Delivery creation block could also be achieved by Standard Configuration, a method that SAP has introduced in S/4HANA. The configuration, along with the option in the Sales Order to Delivery Copy Control Routine, could be used to Block/Switch Off Subsequent Function in SD Process.



POST GOOD ISSUE PROCESSING BLOCK

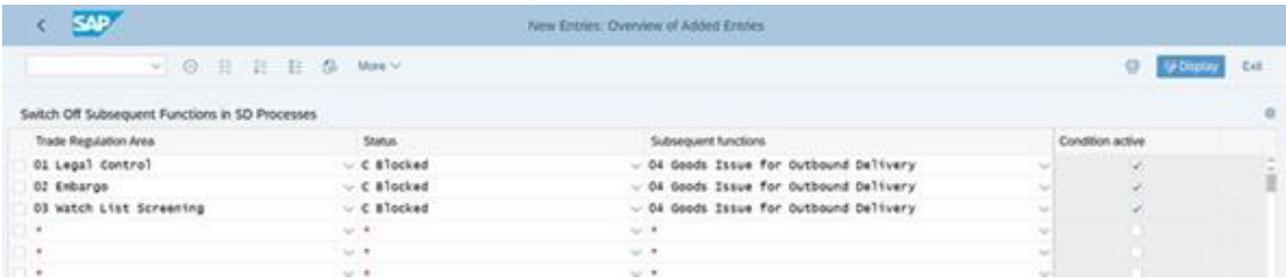
If a Delivery is placed under Compliance Hold in SAP GTS, Business Users will have two options to block the processing of Post Good Issue in SAP S/4HANA.

- **Use the Copy Control Routine to block the processing of PGI through Enhancement**

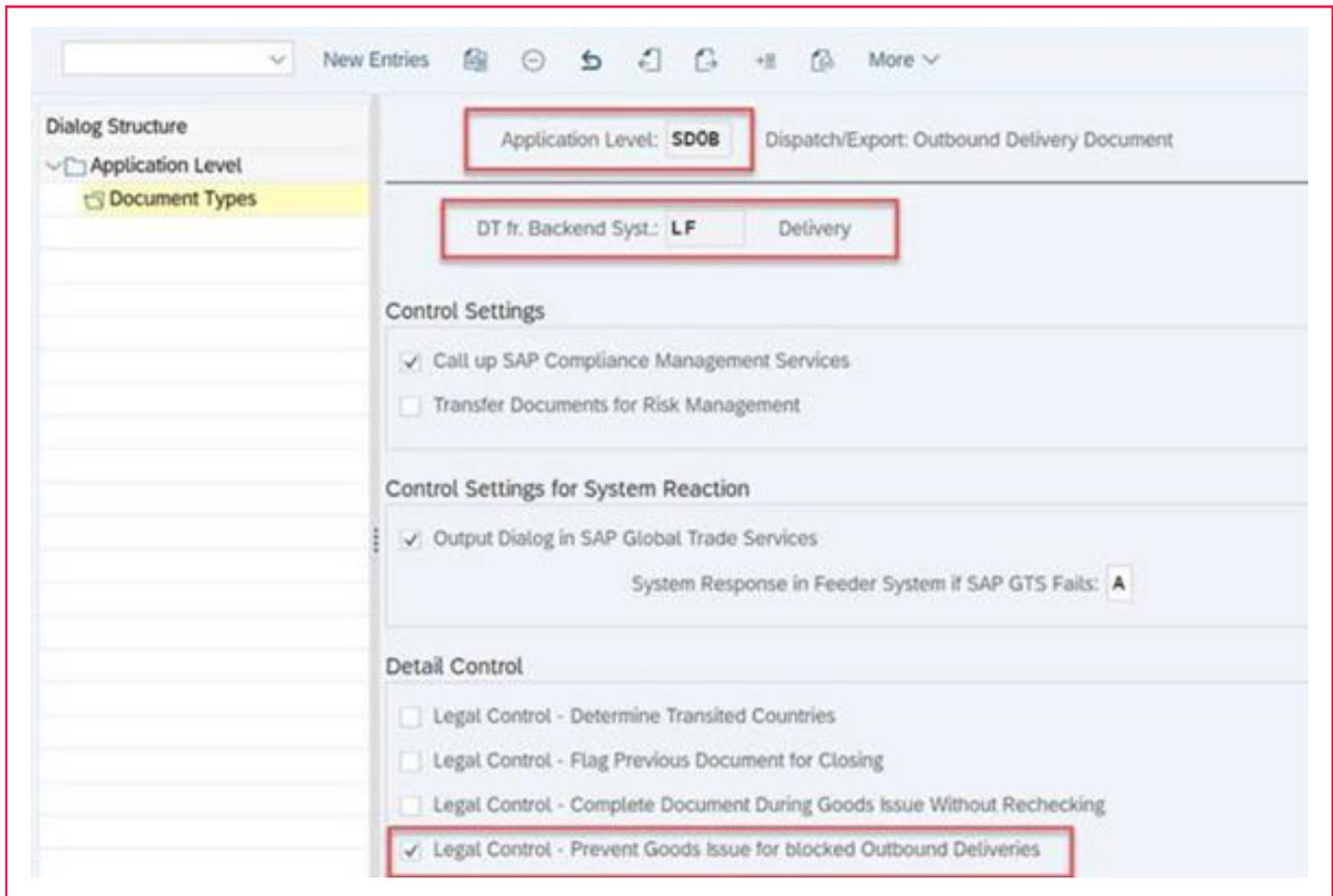
As and when the Delivery is created/changed and saved in the S/4HANA system, the Delivery is transferred to GTS for a compliance check. If a Delivery is blocked in GTS for a compliance check, the subsequent function in S/4HANA, i.e., PGI, should not be processed against that Delivery. Delivery can be created and saved in S/4HANA, but PGI processing would be restricted in case of a Delivery block. If the Delivery document is released in GTS after the compliance check, then PGI Processing can be done in S/4. The functionality will be implemented in the Delivery to PGI Copy Control Routine based on the code snippet provided in SAP Note.

- **Use Standard Configuration present in SAP S/ 4 HANA to block the creation of Delivery Document**

PGI Processing block could also be achieved by Standard Configuration, a method that SAP has introduced in S/4HANA. The configuration, along with the Configuration option in the Delivery to PGI Copy Control Routine, could be leveraged to Block/Switch Off Subsequent Function in SD Process.



Trade Regulation Area	Status	Subsequent functions	Condition active
01 Legal Control	C Blocked	04 Goods Issue for Outbound Delivery	<input checked="" type="checkbox"/>
02 Embargo	C Blocked	04 Goods Issue for Outbound Delivery	<input checked="" type="checkbox"/>
03 Watch List Screening	C Blocked	04 Goods Issue for Outbound Delivery	<input checked="" type="checkbox"/>
*	*	*	<input type="checkbox"/>
*	*	*	<input type="checkbox"/>
*	*	*	<input type="checkbox"/>



SAP has released a couple of OSS Notes that explain the changes in the functionality. Businesses can go with either functionality, as both are doable.

The existing functionality can be continued, and SAP provides the placeholder for enhancement in the routines.

About ArchLynk

ArchLynk is a global leader in end-to-end digital supply chain solutions. As a pure-play service provider for SAP Digital Supply Chain (TM, IBP, EWM, YL, EM, BN4L) platforms and Global Trade Services, ArchLynk's deep domain expertise and innovations equip businesses to build risk-resilient and adaptable supply chains. Headquartered in San Jose, California, ArchLynk holds a proven track record of delivering the most SAP Supply Chain Execution and Global Trade projects. With a worldwide presence, ArchLynk experts help clients with business planning, supply chain process improvement, performance management, and SAP supply chain solutions deployment. ArchLynk's offerings include supply chain process transformation, full-service integration, innovations, and solution support. Innovation forms the cornerstone of ArchLynk's philosophy and its specialized innovations, including AI/ML-based solutions, integrations, accelerators, and custom solution development, which ensure added value and the highest service level commitment for customers.

Global Footprint



Global Footprint | Local Support



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